



## StarSurf™ ES 614

### Product Description:

StarSurf ES 614 is an anionic surfactant widely used in personal care, HI&I, oil field, textiles, and agriculture applications.

### Product Attributes:

- Foamer or foam booster
- Viscosity builder
- Primary or secondary emulsifier

### Product Applications

- Personal Care: Shampoos, conditioners, shower gels, baby products, and bubble baths
- HI&I: Surface cleaners, all purpose cleaners, liquid detergents, industrial cleaners
- Oil Field: Drilling additives, foam booster, and emulsifier
- Agriculture: Adjuvant and foam booster
- Textiles: Fabric washing, wet processing, and scouring

### Product Information

CAS Number	68037-05-8
Chemical Description	Ammonium C6-10-alkyl polyoxyethylene sulfate

## Typical Properties

Appearance	Clear Liquid
Color (Gardner)	Light Yellow max - 4
pH (10% in water)	6.5 to 8.0
% Solids	58% to 62%
Pour Point	-15°C
Freeze Point	-18°C
Spec. Gravity	1.035
VOC% US EPA (Ethanol)	10

## Other Information

Standard Packaging	440 lb (200 KG) drums / 2200 lb (1000 KG) tote
International Inventories	USA (TSCA), Canada (DSL), Europe (EINICS), Korea (ESL), Japan (ENCS), Australia (AICS), Philippines (PICCS), China (IECSC), and New Zealand (NZIoC)
Biodegradability	StarSurf ES 614 is biodegradeable
Toxicity	StarSurf ES 614 is considered non-toxic

## Storage Conditions:

StarSurf™ ES 614 has a shelf life of at least twelve months from the date of delivery; if stored in original, unopened containers at temperatures not exceeding 40°C. Continued storage beyond the designated shelf life does not necessarily mean the material cannot be used. However, renewed testing of the most important properties is imperative.

 [www.StarChemGlobal.com](http://www.StarChemGlobal.com)

To request a sample:

[starchemcs@star-na.com](mailto:starchemcs@star-na.com)

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